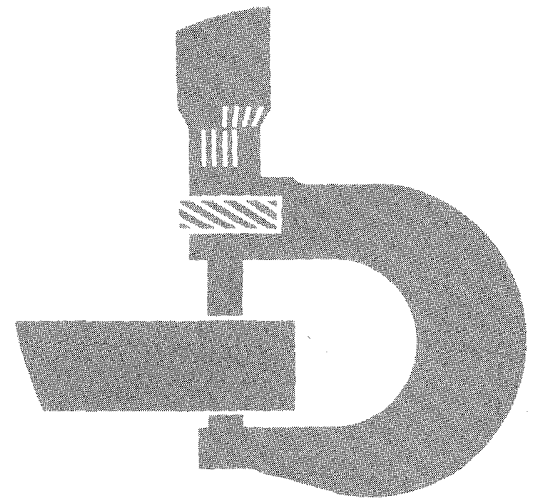


643
Feller-Buncher
Repair



TECHNISCHES HANDBUCH

TM1425 (11JUN90)

Introduction

FOREWORD

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.



This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.

Technical manuals are divided in two parts: repair and diagnostics. Repair sections tell how to repair the components. Diagnostic sections help you identify the majority of routine failures quickly.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

Binders, binder labels, and tab sets can be ordered by John Deere dealers direct from the John Deere Distribution Service Center.

This manual is part of a total product support program.

FOS MANUALS—REFERENCE

TECHNICAL MANUALS—MACHINE SERVICE

COMPONENT MANUALS—COMPONENT SERVICE

Fundamentals of Service (FOS) Manuals cover basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes. FOS Manuals are for training new personnel and for reference by experienced technicians.

Technical Manuals are concise guides for specific machines. Technical manuals are on-the-job guides containing only the vital information needed for diagnosis, analysis, testing, and repair.

Component Technical Manuals are concise service guides for specific components. Component technical manuals are written as stand-alone manuals covering multiple machine applications.

Dealer Presentation Sheet

JOHN DEERE DEALERS

IMPORTANT: Please remove this page and route through your service department.

This is a complete revision for TM1425, 643
Feller-Buncher—Repair.

Listed below is a brief explanation of “WHAT” was changed and “WHY” it was changed.

This manual was revised:

1. To include information for hydraulic pump, motor, control valves, and motor top speed limiter valve.
2. To include information for frame hinge pivot.

Contents

SECTION I—GENERAL INFORMATION

- Group I—Safety
- Group II—General Specifications
- Group III—Torque Values
- Group IV—Lubrication
- Group V—Inspection Procedure

SECTION 01—WHEELS

- Group 0110—Power Wheels and Fastenings

SECTION 02—AXLES AND SUSPENSION SYSTEM

- Group 0200—Removal and Installation
- Group 0210—Differential or Bevel Drive
- Group 0225—Input Drive Shafts And U-Joints
- Group 0250—Axle Shaft, Bearings and Reduction Gears

SECTION 03—TRANSMISSIONS

- Group 0300—Removal and Installation
- Group 0315—Control Linkage
- Group 0350—Gear, Shafts, Bearings and Power Shift Clutch
- Group 0360—Hydraulic System

SECTION 04—ENGINE

- Group 0400—Removal And Installation

SECTION 05—ENGINE AUXILIARY SYSTEMS

- Group 0505—Cold Weather Starting Aids
- Group 0510—Cooling System
- Group 0515—Speed Controls
- Group 0520—Intake System
- Group 0560—External Fuel Supply System

SECTION 07—DAMPENER DRIVE

- Group 0752—Elements

SECTION 08—TRANSFER OR SPLITTER DRIVE (PUMP DRIVE GEARBOX)

- Group 0800—Removal And Installation

- Group 0851—Disassemble And Assemble Pump Drive Gearbox

SECTION 09—STEERING SYSTEM

- Group 0960—Hydraulic System

SECTION 10—SERVICE BRAKES

- Group 1011—Active Elements
- Group 1015—Controls Linkage
- Group 1060—Hydraulic System

SECTION 11—PARK BRAKE

- Group 1111—Active Elements
- Group 1115—Controls Linkage

SECTION 16—ELECTRICAL SYSTEM

- Group 1671—Batteries, Support and Cables
- Group 1672—Alternator, Regulator, and Charging System Wiring
- Group 1674—Wiring Harness and Switches
- Group 1676—Instruments and Indicators
- Group 1677—Motors and Actuators

SECTION 17—FRAME OR SUPPORTING STRUCTURE

- Group 1740—Frame Installation
- Group 1746—Frame Bottom Guards

SECTION 18—OPERATOR'S STATION

- Group 1800—Removal and Installation
- Group 1810—Operator Enclosure
- Group 1821—Seat and Seat Belt
- Group 1830—Heating and Air Conditioning

SECTION 20—SAFETY, CONVENIENCE AND MISCELLANEOUS

- Group 2003—Fire Extinguisher

SECTION 39—SHEAR

- Group 3901—Blades And Cutting Elements
- Group 3915—Controls Linkage
- Group 3960—Hydraulic System

Continued on next page

All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

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SECTION 99—DEALER FABRICATED TOOLS

Group 9900—Dealer Fabricated Tools

Section I GENERAL INFORMATION

Contents

| | Page |
|---------------------------------------|---------|
| Group I—Safety | I-I-1 |
| Group II—General Specifications | I-II-1 |
| Group III—Torque Values | I-III-1 |
| Group IV—Lubrication | I-IV-1 |
| Group V—Inspection Procedure | I-V-1 |

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